

CIA/OER/S-07528-75 REQUESTED DATA FOR FIVE RAW MATERIAL COMMO.
DITIES MAY 75 UNCL 01 OF 01

5-07528

CIA/OER

S-07528-75

19 May 1975

MEMORANDUM FOR: Mr. Arthur Allen
EB/ISM
Department of State

SUBJECT : Requested Data for Five Raw
Material Commodities

1. Per your request of 3 May for selected data on iron ore, copper, tungsten, manganese, and bauxite/alumina are the attached tables and charts:

- A. 1973 Trade Matrices for exports of:
refined copper, manganese ore, iron ore,
alumina, bauxite and tungsten ore by
major LDC exporters
- B. Export Earnings of Major LDC Producers,
1950-73, for copper, manganese, iron ore,
alumina, bauxite and tungsten
- C. World Prices, 1950-74 for copper, iron ore,
tungsten and bauxite (charts and tables)

2. I hope this data will prove helpful in your research on these commodities. We would be pleased to receive your final papers on these commodities.

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Chief
Agriculture and Materials Branch
Industrial Nations Division
Office of Economic Research

Attachments:
As stated

Unclassified

26

MEMORANDUM FOR:

Distribution: (S-07528)

Orig. & 1 - Addressee

1 - D/OER, SA/ER

1 - D/I

3 - St/P

1 - I, AM

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19 May 1975

(DATE)

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED.

(47)

A

1973 Trade Matrices

Exports of Refined Copper - 1973

(in Metric tons)

	FROM:			
	<u>Chile</u>	<u>Peru</u>	<u>Zambia</u>	<u>Zaire</u>
Total Exports	<u>387300</u>	<u>26958</u>	<u>627153</u>	<u>229200</u>
of which to:				
Argentina	32300	3429		
Austria	1000		4249	
Belgium	4900	2670	4925	143483
Brazil	12200		33847	
China, P.R.	20000		10000	
Colombia	500			
Czechoslovakia			1995	
Denmark	2500		3302	
Egypt			851	
Finland	1200		1102	
France	20300	24	56137	21466
Germany, West	78400	1591	68811	18033
Greece			6577	
India			29905	
Italy	45900		77366	61808
Japan	21300	101	160811	10396
Netherlands			7697	
Norway	2300			
Spain	6100		9585	
Sweden	17600		6335	
Switzerland	800		10078	
United Kingdom	58200	1018	124061	6646
United States	42000	3503	4800	
Yugoslavia			4150	
Others	13800	14622	569	32632

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Exports of Manganese Ore - 1973

(in Metric tons)

	FROM:		
	<u>Brazil</u>	<u>Gabon</u>	<u>India</u>
Total Exports	<u>788435</u>	<u>1953600</u>	<u>738637</u>
of which to:			
Argentina	43416		
Belgium-Lux		96600	
Bulgaria			12772
Canada	30480		
Czechoslovakia	35560		12331
France	18288	653700	
Germany, West		56800	
Italy	34739	24200	
Japan	31632	196300	680384
Korea, South			17200
Mexico	5080		
Netherlands	98668		
Norway	110420		
Poland		79000	
Spain		33400	15950
United Kingdom	112513		
United States	250255	774500	
Yugoslavia	17383		
Others		39100	

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Exports of Iron Ore - 1973

(Thousand metric tons)

	FROM:			
	<u>Brazil</u>	<u>India</u>	<u>Liberia</u>	<u>Venezuela</u>
Total Exports	<u>44963</u>	<u>23610</u>	<u>25350</u>	<u>21709</u>
of which to:				
Austria	1148			
Argentina	1224			
Belgium-Lux	1555	140	1589	
Bulgaria		300		
Canada	449			
China, P.R.	25			
Czechoslovakia	358	730		
Finland	21			
France	3109		1450	
Germany, East	342			
Germany, West	11065		8366	
Hungary		120		
Iraq		30		
Italy	2036		4257	
Japan	13346	19120	2618	
Korea, South		330		
Netherlands		120	2568	
Paraguay	3			
Poland	466	450		
Portugal	160			
Rumania	209	2100	114	
Spain	1276		498	
Taiwan		170		
Turkey	253			
United Kingdom	2096		909	
United States	3726		2981	13358
Yugoslavia	233			
Others				8351

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Exports of Alumina - 1973

(in Metric tons)

	<u>Guyana*</u>	<u>Jamaica</u>	<u>Surinam</u>
Total Exports	<u>209260</u>	<u>2064430</u>	<u>1210463</u>
of which to:			
Canada		199504	
China, P.R.	15251		
Ghana		108812	
Hungary	55380		
Netherlands			259496
New Zealand		20912	
Norway	13316	524946	14698
Poland		34353	
Spain		37077	
Sweden		90665	
Trinidad & Tobago		163	
United Kingdom		304455	70829
United States		653165	328977
USSR	124297	73904	
Venezuela		16474	
Africa, n.e.s.			11130
Europe, n.e.s.			455333
Others	1016		70000

*January - November

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Exports of Bauxite - 1973

(in Metric tons)

	<u>Guyana*</u>	<u>Jamaica</u>	<u>Surinam</u>
Total Exports	<u>2196365</u>	<u>6598484</u>	<u>3675736</u>
of which to:			
Argentina	14668		
Canada	524512		543015
France	39336		
Germany, West	56037		
 Ghana			
Italy	30017		
Japan	58963		13156
 Netherlands			
 Norway			
Spain	26442		6382
Trinidad	601773		
United Kingdom	82126		
United States	277292	6598484	3024661
U.S. Virgin Islands	402978		
Europe, n.e.s.			88522
Others	82221		

* January - November

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Exports of Tungsten

	(in Metric tons)		
	<u>(Metal)</u>	<u>(Ore and Concentrate)</u>	
	<u>Bolivia</u>	<u>S. Korea</u>	<u>Thailand</u>
Total Exports	<u>2196</u>	<u>3827</u>	<u>4756</u>
of which to:			
Japan		1473	842
Netherlands	45		
Switzerland	305		
United States	1846	490	902
Other		1864	3012

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B

Export Earnings of Major LDC Producers, 1950-73

Copper Export Earnings
(excluding ores and concentrates)

(Thousand US dollars)

	<u>Chile</u>	<u>Peru</u>	<u>Zambia</u>	<u>Zaire</u>
1950		10100		
1951		15052		
1952		16923		
1953		14832		
1954		20368		
1955		29316		
1956		33632		
1957		21621		
1958	243200	18963		
1959	338700	20852		
1960	334700	91158	170857	
1961	337300	100847	159143	
1962	367100	87479	158429	
1963	378200	82099	170143	
1964	439600	94064	212000	
1965	501100	108833	245143	
1966	688800	167443	329000	
1967	710700	179754	310000	259156
1968	684300	190763	368643	341384
1969	925300	229526	517500	429432
1970	839800	240157	486714	493686
1971	701200	151775	321643	415000
1972	630800	168211	350643	406000
1973	1063500	253619	499286	627000

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Manganese Export Earnings

(Thousand US dollars)

	<u>Brazil</u>	<u>Gabon</u>	<u>India</u>
1950			
1951			
1952			
1953			
1954			
1955			
1956			
1957	37510		
1958	30120		32594
1959	30300		26636
1960	29780		29415
1961	31930		21868
1962	27480	1503	16503
1963	24620	13624	17262
1964	20620	19777	27967
1965	29220	26769	23120
1966	26790	31104	18968
1967	13959	32544	16925
1968	24125	26151	16108
1969	17077	28784	15483
1970	30592	12053	18011
1971	37706	33717	15639
1972	27262	53091	12000
1973	18900	44365	10000

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Iron Ore Export Earnings

(Thousand US dollars)

	<u>Brazil</u>	<u>India</u>	<u>Liberia</u>	<u>Venezuela</u>
1950	7000			
1951	13000			5723
1952	23000			16868
1953	23000			17470
1954	22000			36145
1955	30000			49699
1956	35000			67771
1957	48120		23117	115361
1958	39430	20900	21566	117297
1959	43700	27033	28249	127838
1960	53460	35680	34642	166456
1961	60140	36537	29392	132883
1962	69490	41529	32398	120420
1963	70920	76071	45021	99009
1964	80640	77977	80614	119330
1965	102980	88168	95990	135379
1966	100200	92648	106330	141540
1967	102783	96904	115145	137320
1968	104450	115321	118027	125869
1969	147391	117294	137049	150826
1970	209562	158298	150689	177149
1971	237327	136744	160617	166294
1972	231707	150000	182709	131000
1973	360803	155000	196700	167000

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Alumina and Bauxite

(thousand of US dollars)

	<u>Jamaica</u>		<u>Guyana</u>	
	<u>Bauxite</u>	<u>Alumina</u>	<u>Bauxite</u>	<u>Alumina</u>
1950	29	--	8070	--
1951	14	--	9591	--
1952	600	--	12982	--
1953	3950	--	13743	--
1954	4407	4143	13567	--
1955	5550	6829	14503	--
1956	6571	8286	17134	--
1957	13664	17014	17252	--
1958	18000	13043	12047	--
1959	15736	13286	14503	--
1960	15557	23764	17252	--
1961	18657	24714	16667	7076
1962	22536	21514	18187	13275
1963	19357	23400	16725	12982
1964	22679	25271	18012	18363
1965	25479	24700	21871	17836
1966	50143	27593	26082	19298
1967	51919	30356	22750	15700
1968	51767	42358	29100	16550
1969	63342	59175	31300	19450
1970	63742	92592	32800	18400
1971	61736	86215	42050	19050
1972	54270	95135	48367	13641
1973	71595	133126	64645	12647

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Tungsten Export Earnings

(thousand US dollars)

	<u>Bolivia</u>	<u>South Korea</u>
1950	2700	
1951	11300	
1952	14200	
1953	13700	
1954	14160	
1955	15670	
1956	14420	
1957	6390	
1958	1200	2453
1959	1320	3397
1960	1480	4701
1961	2330	4498
1962	1670	3574
1963	1160	3075
1964	1420	4654
1965	2230	6356
1966	5110	9536
1967	7970	11027
1968	3610	11115
1969	11150	12414
1970	17600	17209
1971	13600	10957
1972	10300	10282
1973	11000	NA

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C

World Prices, 1950-74

Iron Ore Prices
(Lake Superior - Old Range Non-Bessemer)

(Dollars per long ton)

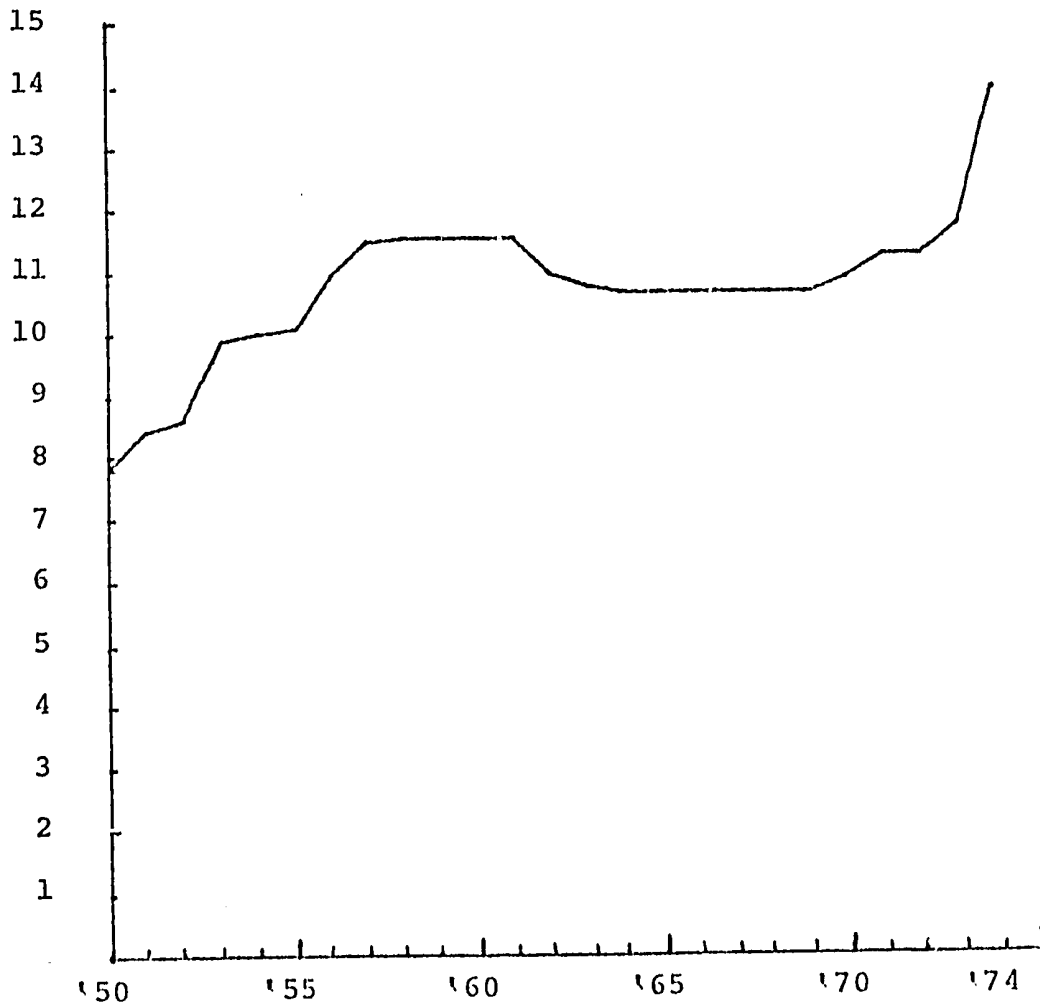
1950	7.95
1951	8.55
1952	8.73
1953	10.04
1954	10.15
1955	10.23
1956	11.10
1957	11.65
1958	11.70
1959	11.70
1960	11.70
1961	11.70
1962	11.10
1963	10.90
1964	10.80
1965	10.80
1966	10.80
1967	10.80
1968	10.80
1969	10.80
1970	11.05
1971	11.42
1972	11.42
1973	11.93
1974	14.15

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Iron Ore Prices

(Lake Superior - Old Range Non-Bessemer)

Dollars per
long ton



Tungsten Ore Prices^{1/}

New York

(Dollars per short ton)

1950	26.69
1951 ^{2/}	66.44
1952	56.77
1953	43.50
1954	23.69
1955	31.62
1956	31.73
1957	18.76
1958	11.69
1959	13.31
1960	19.03
1961	17.18
1962	12.01
1963	9.02
1964	15.08
1965	23.20
1966	38.21
1967	43.00
1968	43.00
1969	43.00
1970	49.00
1971	55.00
1972	55.00
1973	55.00
1974	43.52

^{1/} Duty excluded, "ordinary quality" per unit (1%)

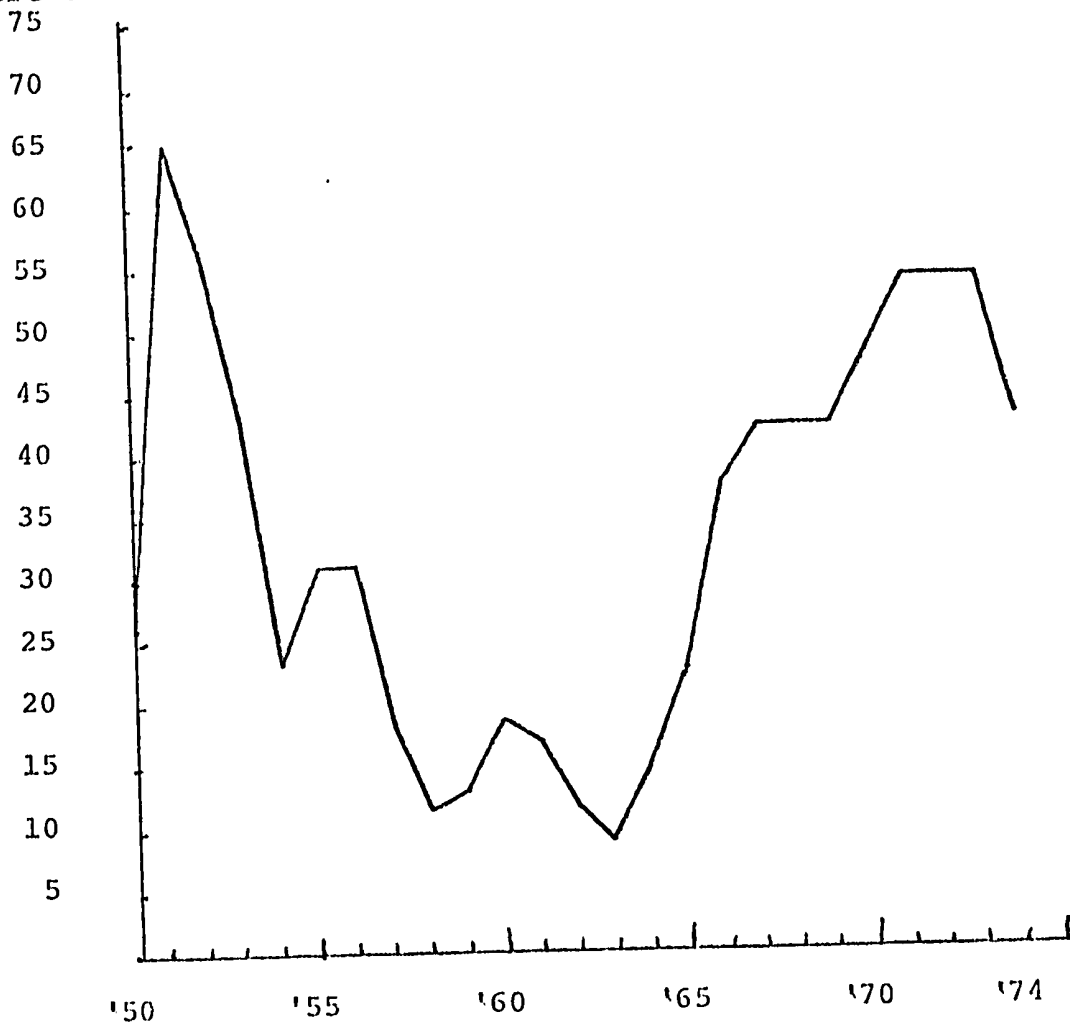
^{2/} Beginning April 1951, duty is excluded

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Tungsten Ore Prices

New York

Dollars per
short ton



Bauxite: Crude and Dried

Average Value of US Imports - Port of Shipment

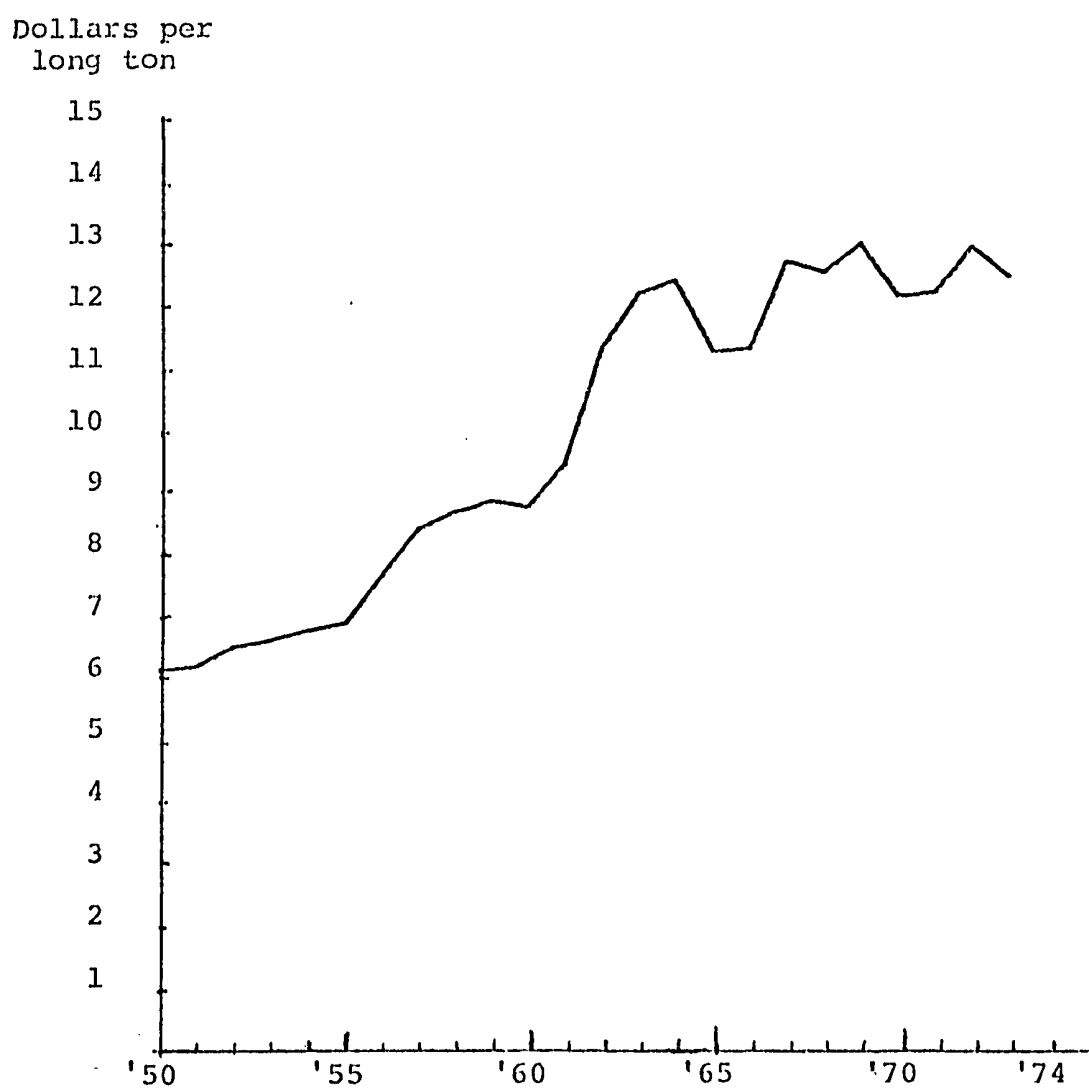
(dollars per long ton)

1950	6.25
1951	6.31
1952	6.63
1953	6.74
1954	6.90
1955	7.02
1956	7.83
1957	8.58
1958	8.86
1959	9.03
1960	8.93
1961	9.65
1962	11.53
1963	12.44
1964	12.65
1965	11.48
1966	11.54
1967	12.97
1968	12.78
1969	13.25
1970	12.39
1971	12.46
1972	13.21
1973	12.72
1974	NA

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Bauxite Prices: Crude and Dried

Average Value of US Imports - Port of Shipment



Copper Prices

(LME)

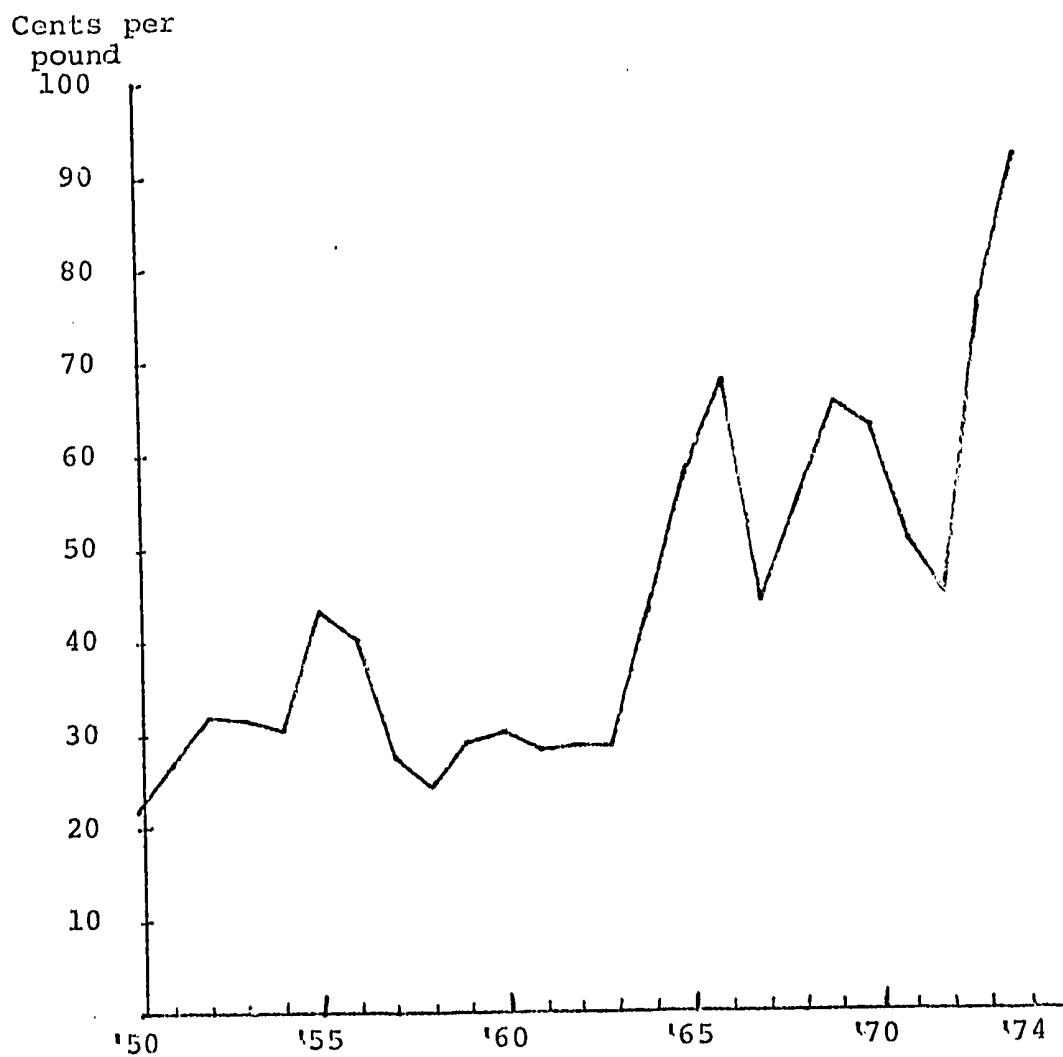
(cents per pound)

1950	22.37
1951	27.42
1952	32.58
1953	32.19
1954	31.00
1955	44.03
1956	40.90
1957	28.01
1958	24.75
1959	29.71
1960	30.79
1961	28.81
1962	29.29
1963	29.25
1964	43.95
1965	58.79
1966	69.06
1967	44.84
1968	55.78
1969	66.58
1970	63.84
1971	51.46
1972	45.58
1973	76.59
1974	93.42

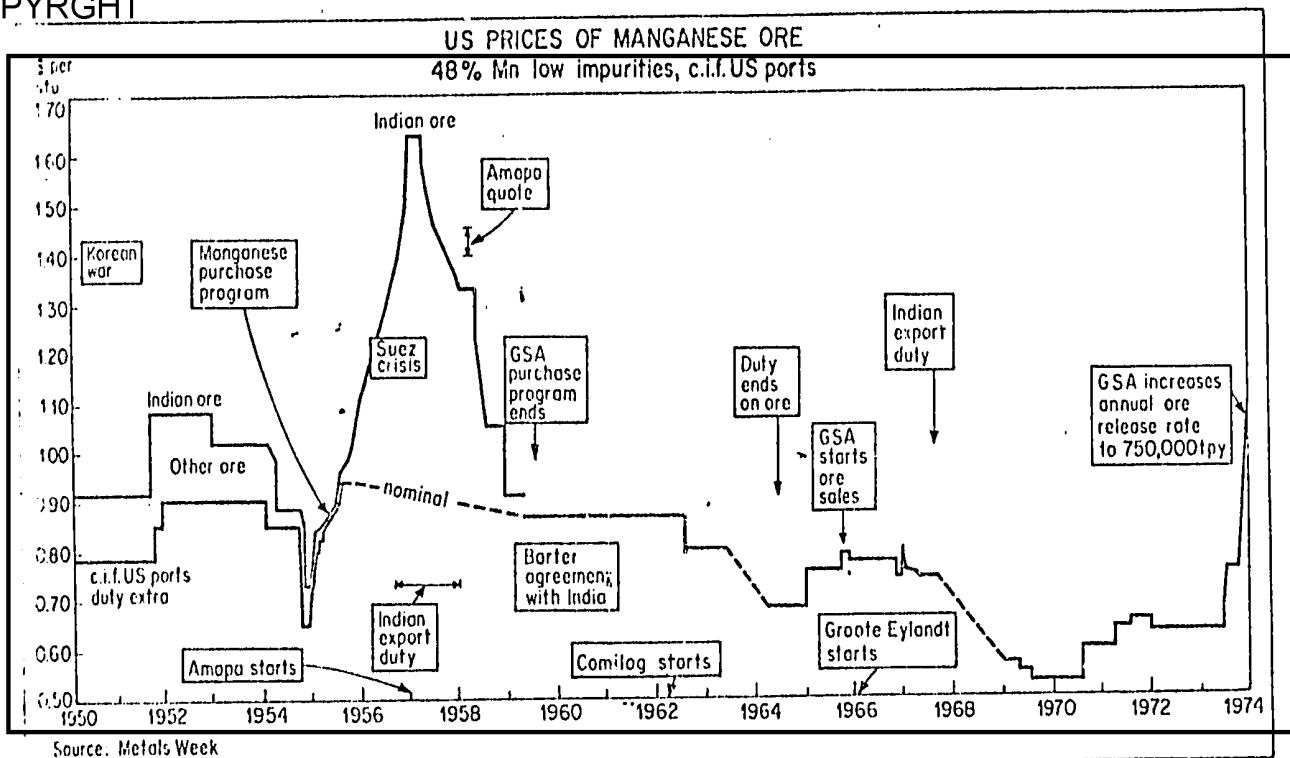
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Copper Prices

(LME)



CPYRGHT



Copper

Soaring prices in 1973 reflected tightness in supplies throughout much of the year.

Preliminary 1973 data, on a refined copper basis, indicated that the United States experienced reduced production, net exports, near record high consumption, and a drawdown of industrial stocks, according to the Bureau of Mines, U.S. Department of the Interior. A shortage of available copper relative to demand developed in the first quarter and became a critical supply problem for some users. Salient factors causing the imbalance included: A surge in world demand; disruptions to production in Chile, Canada, and Belgium; some curtailment in domestic output to meet air quality standards; transport problems in Canada and Zambia; and the effect of U.S. price controls coupled with a rapid escalation of world prices. Several of the supply disruptions were resolved but the continuing high demand and depleted inventories left supplies tight at yearend. The national copper stockpile objective was reduced to zero in March making available 252,000 tons of surplus copper pending congressional authorization.

Mine production was 1.72 million tons, a 3-percent increase and approximately equal to the record high of 1970. Principal copper producing States were Arizona with 54 percent of the total, Utah (15 percent), New Mexico (12 percent), Montana (8 percent), Nevada (5 percent), and Michigan (4 percent).

Smelters, despite some curtailment of operations to meet air quality standards, increased output 2 percent, to an indicated 1.73 million tons from primary materials, a record high quantity for the second successive year. Refinery production from primary ma-

terials was projected to decline 2 percent from the 1972 record high to 1.83 million tons. Production of refined copper from secondary materials was 360,000 tons compared with 423,000 tons in 1972.

Consumption of refined copper advanced 5 percent to 2.35 million tons. This increase reflected the greater activity in the general economy for most of the year and was approximately equal to the record high consumption of 1966.

Public Law 93-77 suspended the 0.8 cent per pound duty on copper from July 1, 1973 to June 30, 1974, reinstating the suspension that had been in effect from 1966 to June 30, 1972.

Scrap exports were particularly large during June, July, and August following the domestic price ceilings imposed in early June and the escalation of foreign copper prices. Copper-base scrap was exempted from price controls, effective August 6, and there was a significant reduction in exports following this action.

Domestic copper price quotations were increased by 9½ cents per pound in three steps during the first quarter of 1973 to a quoted price of 60 to 60¼ cents per pound. Price controls prohibited any price increase between early June and December 6 after which most quotes were increased by approximately 8 cents to a range of 68.15 to 69.25 cents per pound. Prices on the London Metal Exchange increased from an average 50.7 cents per pound equivalent for January to 102.9 cents for November and were 90.6 cents in mid-December.

Copper futures are traded on the Commodity Exchange, Inc., in New York and on the London Metal Exchange in London.

